

تم تحميل هذا الملف من موقع المناهج الإماراتية



أسئلة اختبار تجريبي النسخة الخامسة منهج انسابير

[موقع المناهج](#) ← [المناهج الإماراتية](#) ← [الصف الخامس](#) ← [علوم](#) ← [الفصل الثالث](#) ← [الملف](#)

تاريخ إضافة الملف على موقع المناهج: 2024-05-29 09:51:55

التواصل الاجتماعي بحسب الصف الخامس



اضغط هنا للحصول على جميع روابط "الصف الخامس"

روابط مواد الصف الخامس على تلغرام

[الرياضيات](#)

[اللغة الانجليزية](#)

[اللغة العربية](#)

[التربية الاسلامية](#)

المزيد من الملفات بحسب الصف الخامس والمادة علوم في الفصل الثالث

[حل أسئلة اختبار تجريبي النسخة الرابعة منهج انسابير](#)

1

[أسئلة اختبار تجريبي النسخة الرابعة منهج انسابير](#)

2

[حل أسئلة اختبار تجريبي النسخة الثالثة منهج انسابير](#)

3

[أسئلة اختبار تجريبي النسخة الثالثة منهج انسابير](#)

4

[حل أسئلة اختبار تجريبي النسخة الثانية منهج انسابير](#)

5

# Science Department

## Mock Exam

Term 3 - 2023/2024

Grade: 5

Copy Number (5)

Levels (Bloom's Taxonomy)	Difficulty level	Symbol	Percentage
Remember	Easy- Medium	E,M	20
Understand	Easy- Medium	E,M	20
Apply	Easy- Medium-Difficult	E, M, D	20
Analyze	Easy- Medium-Difficult	E, M, D	20
Evaluate	Difficult	D	10
Create	Difficult	D	10

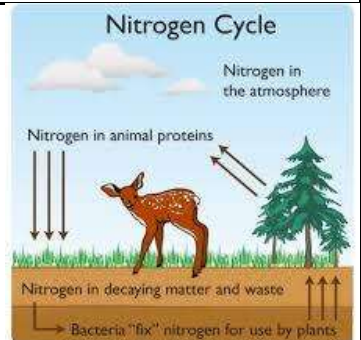
## Part 1

### 20 Questions- Multiple choice

Q1. What is meant by the term **transpiration**?

- a. water loss from the roots
- b. water absorption from the roots
- c. water loss from the leaves
- d. water absorption from the leaves

Q2. which of the following help(s) return **nitrogen into atmosphere**?

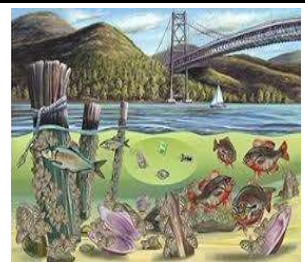


- a. Decomposer and bacteria
- b. Bacteria only
- c. decomposer only
- d. Virus and bacteria

Q3. If many of the trees in a forest are cut down, how might this affect the animals living there?

- a. Animals have more space to live
- b. It would not affect the animals
- c. Animals decrease in number due to loss of food.
- d. The weather will become cooler

Q4. In a river ecosystem, which of the following would be considered **biotic factor**?



- a. The flow rate of the river.
- b. The rocks along the riverbed.
- c. The bacteria living in the water.
- d. The amount of sunlight the river receives.

Q5.  
If a squirrel and a bird live in the same tree, why might they not be in **competition** with each other?



- a. Because they do not share the same habitat.
- b. Because they have different niches within the same habitat.
- c. Because one is a bird and the other is a mammal.
- d. Because they eat the same food.

Q6.  
How could the introduction of a **invasive fish** species potentially affect the local fish population in a lake?

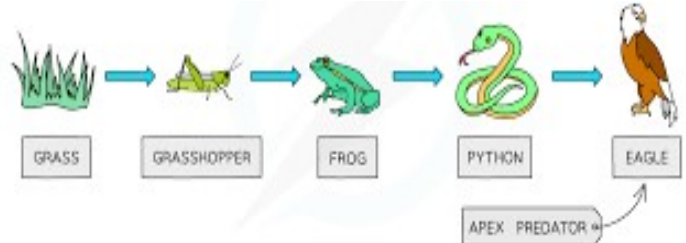
- a. lead to improved water clarity
- b. cause decrease in local fish populations due to competition for food.
- c. The invasive fish will likely become prey
- d. There will be no impact

Q7.  
You're testing how soil, sand, cotton, and gravel affect plant growth. Which combination of these materials would be best for growing tomatoes, and why?



- a. Soil and Cotton: Soil has **nutrients** and holds water, and cotton keeps the soil moist and helps air get to the roots.
- b. Sand and Gravel: Sand drains water quickly, while gravel keeps the plant standing strong.
- c. Soil and Gravel: Soil provides nutrients and holds water, while gravel prevents erosion.
- d. Cotton and Sand: Cotton absorbs nutrients, and sand lets air reach the plant's roots.

Q8.  
If a **forest ecosystem** lost all its **herbivores**, how might this impact the **carnivores**?



- a. Carnivores would eat more plants.
- b. Carnivores would have less food available

- c. no effect on carnivores.
- d. Carnivores would start to eat more insects.

Q9.

If a park has too many deer (**prey**), which are eating all the vegetation, what might be a natural way to manage this problem?



- a. Introduce more deer into the area.
- b. Remove all the deer from the park.
- c. Introduce a natural predator of the deer.
- d. Plant more trees and shrubs.

Q10.

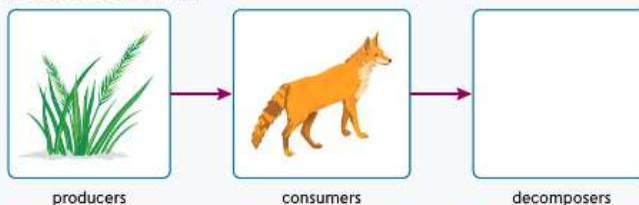
If a garden has poor soil quality, how might adding **decomposers** like earthworms and compost help improve it?



- a. Decomposers would eat the plants, reducing competition.
- b. Decomposers convert dead organic matter into nutrients that enrich the soil.
- c. They would attract more insects, increasing plant pollination.
- d. They would scare away animals that might eat the plants.

Q11.

Review the diagram.



Which of the following organisms should be added to the diagram to represent a decomposer?

- a. Algae
- b. Fungi
- c. Prey
- d. Predator

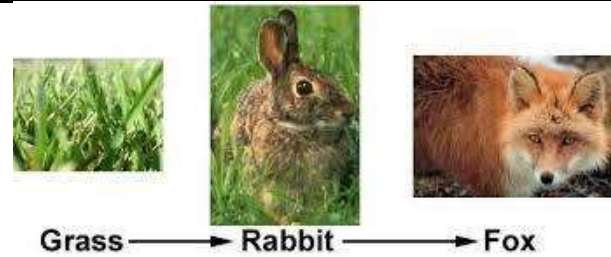
Q12.

How does water **evaporating** from the leaves help the plant pull up more water from the soil?

- a. Water loss creates a suction that pulls more water up from the roots
- b. Water evaporation cools down the leaves, but it doesn't help bring more water into the plant.
- c. As water evaporates, which allows leaves to absorb more sunlight by changing color.
- d. Water evaporation from the leaves strengthens the roots

Q13.

If a long, cold winter reduces the number of plants in a forest, what might happen to the rabbit and fox populations?



- a. Both rabbit and fox populations will increase
- b. Rabbit populations will decrease, and fox populations will decrease as a result.
- c. Fox populations will rise quickly
- d. Rabbits will move to other areas

Q14.

Which statement best explains how **Earth's systems interact** with one another?



- a. The systems operate independently and rarely affect each other.
- b. The atmosphere controls all other Earth systems.
- c. The hydrosphere and the geosphere have no interaction with the biosphere.
- d. The geosphere, hydrosphere, atmosphere, and biosphere are interconnected and influence one another.





Q15.

How do plants (**biosphere**) contribute to the formation of clouds (**atmosphere**)

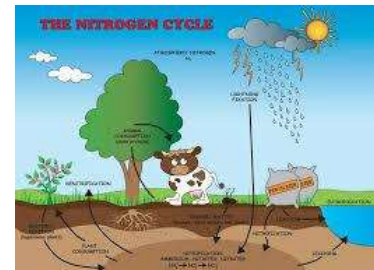
- a. Plants absorb all the moisture, preventing cloud formation.
- b. Plants release oxygen, which creates clouds.
- c. Plants release water vapor into the air, contributing to cloud formation.
- d. Plants control temperature, which prevents cloud formation.

Q16.

Design a plant that would thrive in a wet, low-light environment. Describe a key feature it would have to optimize photosynthesis.

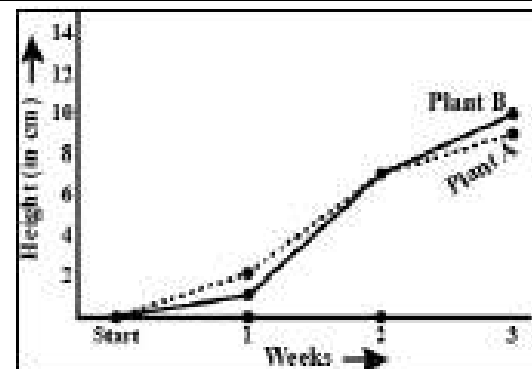
a.	Broad, Thin Leaves	
b.	Deep Roots	
c.	Bright Flowers	
d.	Thick Bark	

Q17.  
How might excessive use of **fertilizers** in agriculture affect the **nitrogen and water cycles**?



- a. It will increase nitrogen in the soil, leading to richer plant life
- b. Excessive nitrogen can run off into water bodies, causing algae blooms
- c. It will make the soil dry and stop the water cycle.
- d. Fertilizers turn into oxygen, enhancing the carbon-oxygen cycle.

Q18.  
In the next graph, Were the two plants of the same height during any week shown here.



- a. At the end of 1st week
- b. At the end of 2nd week
- c. At the end of 3rd week
- d. At the end of 4th week



Q19.

How might **a drought** affect the **cycle of matter** in **an ecosystem**?

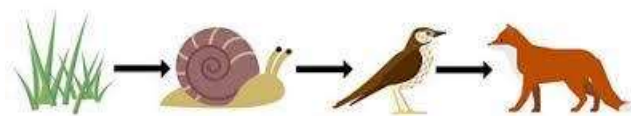


- a. less water means faster nutrient transfer.
- b. Drought increases the number of animals.
- c. Drought stops all cycles
- d. Drought reduces the amount of water available, impacting photosynthesis and nutrient absorption

Q20.

Which of the following best describes the **role of producers, consumers, and decomposers in an ecosystem**?

### Food Chain



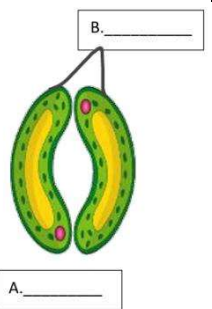
- a. Producers make their own food, consumers eat other organisms, and decomposers break down dead material.
- b. Producers eat other plants, consumers create their own food, and decomposers help plants grow.
- c. Producers and consumers are the same, while decomposers eat living plants.
- d. Producers clean the environment, consumers circulate air, and decomposers produce food for plants.

### Part 2

10 Questions- Written questions

Q1.

Look to the opposite picture answer the following:



1.a Label of the opposite figure A. .... B. ....

1.b Explain the importance of structure (B).  
.....

1.c In hot areas, this structure will be closed. Explain.  
.....



Q2.  
Look to the opposite figure and answer the following:

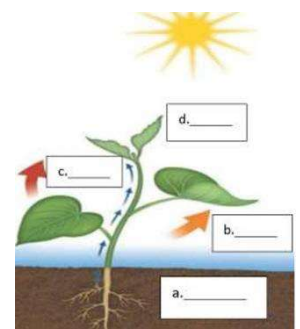


2.a Identify the organism found in the opposite picture.  
.....

2.b Explain their role in nitrogen cycle.  
.....

2.c What factors responsible for growth and function of decomposers?  
.....

Q3.  
Study the opposite diagram and answer the following:



3a. Label the opposite diagram.

- a. ....
- b. ....
- c. ....
- d. ....

3b. Can you explain the different parts of the plant that to move water, food, and air throughout the plant?  
.....

3c. How might a plant adapt if it were in a very dry environment? Use the processes shown in the diagram to support your answer.  
.....

Q4.  
Study the following table calculate the average growth for the following plants and answer the following questions.

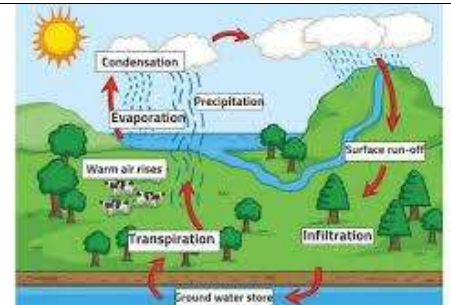
	Sunlight amount	Height in Week1	Height in Week2	Average
Plant A	4 hours	1 cm	4 cm	-----
Plant B	8 hours	2 cm	6 cm	-----
Plant C	16 hours	1.5 cm	3 cm	-----

4a. Which plant had the most growth?  
.....

4b. Look at the growth rates for Plants A, B, and C. What is relation between sunlight and their growth?

4c. If you were to grow a garden at home, how would you use the information from this experiment to decide how much sunlight your plants should get? Why

Q5.  
Data Analysis: Look at a diagram of the **water cycle**

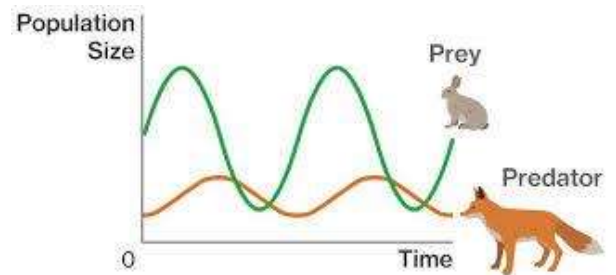


5a. Describe the 4 stages in water cycle in order?

5b. Explain how transpiration contributes to the water cycle.

5c. Predict what might happen to a local pond ecosystem if there was a prolonged drought.

Q6.  
Study the figure which show the trends over time for two type of population (Foxes and Rabbits).  
Answer the questions.



6a. How do the population trends of the foxes and rabbits affect each other?

6b. What could cause a sudden increase in the rabbit population?

6c. Predict how an introduction of an additional predator might balance the ecosystem?

Q7.  
Scenario: A log decays in the forest



7a. Describe the role of decomposers in breaking down the log.

7b. Explain how this process benefits the surrounding plants.

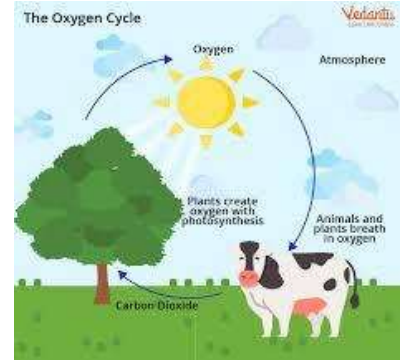
.....

7c. What would happen if **decomposers** were removed from this environment?

.....

Q8.

Consider the picture on **carbon dioxide levels and oxygen levels** in a forest.



8a. How do changes in **carbon dioxide** levels affect plant life in the forest?

.....

8b. Why is the balance between these gases crucial for the ecosystem?

.....

.....

8c. Suggest a solution to save earth due to increased urbanization?

.....

Q9.

Analyze the picture and answer:



9a. Identify the **producer** in this picture:

.....

9b. What does the picture represent?

.....

9c. name 2 consumers in the picture?

.....

Q10.

The picture shows a greenhouse to grow plants.



10a. Name the original source of energy for plants?

.....

10b. What would happen if plants are grown close together?

.....

10c. what is importance of greenhouse for growing plants?

.....

\*\*\*\*\* End of the Exam\*\*\*\*\*